

Title (en)
FIN FOR HEAT EXCHANGER, GUIDE, AND METHOD OF USING THE GUIDE

Title (de)
RIPPE FÜR WÄRMETAUSCHER, FÜHRUNG UND VERFAHREN ZUR VERWENDUNG DER FÜHRUNG

Title (fr)
AILETTE POUR ÉCHANGEUR THERMIQUE, GUIDE ET PROCÉDÉ D'UTILISATION DU GUIDE

Publication
EP 2141434 A4 20140611 (EN)

Application
EP 08722279 A 20080317

Priority
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• JP 2007070337 A 20070319

Abstract (en)
[origin: EP2141434A1] It is an object to raise heat exchange efficiency. A heat exchanger-use fin (1) is a fin attached to heat transfer tubes and is equipped with a fin body (11), a plurality of collars (13) and erect portions (14). The fin body (11) extends in a predetermined direction (91), and plural holes (12) into which the heat transfer tubes are inserted are disposed in the fin body (11) along the predetermined direction (91). The collars (13) are erected surrounding the holes, such that one collar surrounds each hole, on the same side with respect to the fin body (11). When the heat exchanger-use fin (1) is seen from the collars (13) side, the collars (13) are all disposed between two straight lines (101, 102) that extend along the predetermined direction (91) on a surface (111) of the fin body (11), and outer peripheries (131) of the collars (13) contact the two straight lines (101, 102). The erect portions (14) are erected on the fin body (11) on the same side as the collars (13) and are positioned outside the two straight lines (101, 102). Distal ends (141) of the erect portions (14) are in higher positions than distal ends (132) of the collars (13) when seen from the surface (111).

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Citation (search report)
• [X] JP H11281279 A 19991015 - SHARP KK
• [X] JP H0949641 A 19970218 - SAMSUNG ELECTRONIC
• [X] JP H09152288 A 19970610 - HITACHI LTD
• See references of WO 2008114775A1

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EP3062053A1; US10209012B2; US11162741B2

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